(b) generating in said computing device a <u>ranked</u> listing of available therapeutic treatment regimens for said patient; and

(c) generating in said computing device advisory information for one or more therapeutic treatment regimens in said <u>ranked</u> listing based on said patient information and said expert rules.

3 (amended). A method according to claim 1, further comprising the steps of:

(f) entering a non-recommended therapeutic treatment regimen for said disease or medical condition that is included in said first knowledge base but not recommended from said <u>ranked</u> listing; and

(g) generating in said computing device advisory information for said non-recommended therapeutic treatment regimen, said advisory information including at least one reason for non-recommendation of said therapeutic treatment regimen.

4. (Amended) A method according to claim 1, said patient information comprising gender, age, weight, CD4 information, viral load information, HIV genotype and phenotype information, hemoglobin information, neuropathy information, neutrophil information, pancreatitis, hepatic function, renal function, drug allergy and intolerance information[, and information for drug treatments for other conditions].

20 21. (Amended) A method according to claim 1, wherein said <u>first</u> knowledge base comprises a plurality of different combination therapeutic treatment regimens.

23 24 (amended). A system for guiding the selection of a therapeutic treatment regimen for a patient with a known disease or medical condition, said system comprising:

(a) a computing device comprising:

a first knowledge base comprising a plurality of different therapeutic treatment regimens for said disease or medical condition;

57

a second knowledge base comprising a plurality of expert rules for selecting a therapeutic treatment regimen for said disease or medical condition;

a third knowledge base comprising advisory information useful for the treatment of a patient with different constituents of said different therapeutic treatment regimens; and

(b) means for providing patient information to said computing device;

(c) means for generating in said computing device a ranked listing of therapeutic treatment regimens for said patient; and

(d) means for generating in said computing device advisory information for one or more therapeutic treatment regimens in said ranked listing based on said patient information and said expert rules.

25 26 (amended). A system according to claim 23 24, further comprising:

(f) means for entering a non-recommended therapeutic treatment regimen for said disease or medical condition that is included in said first knowledge base but not recommended from said ranked listing; and

(g) means for generating in said computing device advisory information for said non-recommended therapeutic treatment regimen, said advisory information including at least one reason for non-recommendation of said therapeutic treatment regimen.

26 27. (Amended) A system according to claim 23 24, said patient information comprising gender, age, weight, CD4 information, viral load information, HIV genotype and phenotype information, hemoglobin information, neuropathy information, neutrophil information, pancreatitis, hepatic function, renal function, drug allergy and intolerance information[, and information for drug treatments for other conditions].

42 44. (Amended) A system according to claim 23 24, wherein said first knowledge base comprises a plurality of different combination therapeutic treatment regimens.

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47. (Amended) A computer program product for guiding the selection of a therapeutic treatment regimen for a patient with a known disease or medical condition, said computer program product comprising a computer usable storage medium having computer readable program code means embodied in the medium, the computer readable program code means comprising:

(a) computer readable program code means for generating [a computing device comprising]:

> a first knowledge base comprising a plurality of different therapeutic treatment regimens for said disease or medical condition;

> a second knowledge base comprising a plurality of expert rules for selecting a therapeutic treatment regimen for said disease or medical condition;

> a third knowledge base comprising advisory information useful for the treatment of a patient with different constituents of said different therapeutic treatment regimens; and

(b) computer readable program code means for providing patient information [to said computing device];

(c) computer readable program code means for generating [in said computing device] a <u>ranked</u> listing of available therapeutic treatment regimens for said patient; and

(d) computer readable program code means for generating [in said computing device] advisory information for one or more therapeutic treatment regimens in said <u>ranked</u> listing based on said patient information and said expert rules.

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48. (Amended) A computer program product according to claim 47, further comprising:

(e) computer readable program code means for entering a user-defined therapeutic treatment regimen for said disease or medical condition that is not generated or displayed via said first knowledge base;

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(f) computer readable program code means for generating [in said computing device] advisory information for said user-defined combination therapeutic treatment regimen.

47 49. (Amended) A computer program product according to claim 48, 46 further comprising:

(g) computer readable program code means for entering a non-recommended therapeutic treatment regimen for said disease or medical condition that is included in said first knowledge base but not recommended from said <u>ranked</u> listing; and

(h) computer readable program code means for generating [in said computing device] advisory information for said non-recommended therapeutic treatment regimen, said advisory information including at least one reason for non-recommendation of said therapeutic treatment regimen.

50 52. (Amended) A computer program product according to claim 47, 45 wherein said patient information includes prior patient information [stored in said computing device].

52 54. (Amended) A computer program product according to claim 47, 45 wherein said <u>computer readable program code means</u> [computing device] comprises <u>computer readable program code means for generating</u> a fourth knowledge base comprising patient therapeutic treatment regimen history, said advisory information including previous therapeutic treatment regimen information extracted from said fourth knowledge base.

64 66. (Amended) A computer program product according to claim 47, 45 wherein said <u>first</u> knowledge base comprises a plurality of different combination therapeutic treatment regimens.

66 68. (Amended) A computer program product according to claim 47, 45 further comprising:

60